

IN THE CLAIMS

Please amend and consider the claims as follows:

1-4. (Cancelled)

5. (Amended) A kit used for fabricating ~~the~~an integrated biomolecule sensor ~~according to the fabrication method of claim 2 or 3~~, comprising~~[[:]]~~:  
an optical fiber bundle unit;  
a plate with wells for holding solutions containing probe polymers with different  
base sequences; and  
an auxiliary plate having holes, ~~so arranged in alignment with the wells of the~~  
~~plate as to make it easy to insert the distal ends of individual optical fibers of~~  
~~the optical fiber bundle unit or partial optical fiber bundle units separately~~  
~~into the corresponding different wells of the plate wherein the respective~~  
holes corresponding to the respective wells of the plate.

Claims 6-9. (Cancelled)

10. (New) The kit according to claim 5, wherein the optical fiber bundle unit holds the proximal ends of the plurality of optical fibers together with the end-face arranged substantially in the same plane and oriented substantially in the same direction.
11. (New) The kit according to claim 5, wherein the optical fiber bundle unit comprises a linker at the distal end of each optical fiber thereof.